

SCIENCE--Teaching and Learning

Subject	Title	Author	Abstract	Source	Publisher
Teaching and learning	A Meta-analysis of the effectiveness of Computer-Assisted Instruction in Science Education	Sule Bayraktar	This meta-analysis investigated how effective computer-assisted instruction (CAI) is on student achievement in secondary and college science education when compared to traditional instruction.		http://www.iste.org/jrte/34/2/abstracts/bayraktar.html
Teaching and learning	CIESE, the Center for Improved Engineering and Science Education		A hands-on teacher training that helps participants master technology in order to focus on improved understanding and delivery of science, mathematics and other subject areas.		http://k12science.ati.stevens-tech.edu/about.html
Teaching and learning	Computer-based Tools for the Development and Investigation of Scientific Reasoning Skills	Danielle E. Kaplan Teachers College, Columbia University	Discusses the creation of technologies, which foster the development of more advanced internal mental models of causal systems during inquiry, thus improving reasoning competence.		http://www.ilt.columbia.edu/publications/papers/kaplanblack.html
Teaching and learning	Eisenhower National Clearing House		ENC's mission is to identify effective curriculum resources, create high-quality professional development materials, and disseminate useful information and products to improve K-12 mathematics and science teaching and learning.		http://www.enc.org/

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Teaching and learning	Eisenhower National Clearing House		Educators share how they use technology, including graphing calculators, motion detectors, and software, in their classrooms.		http://www.encyc.org/topics/edtech/classroom/
Teaching and learning	Science Teaching Forum	John C. Park	To promote the exchange of ideas and methods for the improvement in teaching and learning science.		http://course.s.forum.ncsu.edu/cgi-bin/netforum/sciteach/a/1
Teaching and learning	Teaming technology enhanced instruction in the science classroom and teacher professional development	Pedretti, E., Mayer-Smith, J., Woodrow, J.	This paper describes a qualitative case study of Technology Enhanced Secondary Science Instruction (TESSI); a collaborative effort between teachers and researchers to advance technology implementation in high school science classrooms.	Journal of Technology and teacher Education	1999, vol7 n2 p 131